## EAST Search History

| Ref # | Hits  | Search Query  | DBs  | Default<br>Operator | Plurals | Time Stamp          |
|-------|-------|---|--|---------------------|---------|---------------------|
| L3    | 16    | menu with concept<br>with query                       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/10/09<br>15:41 |
| L4    | 29961 | menu with (categor\$3<br>classif\$6 list)             | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/10/09<br>16:17 |
| L5    | 180   | 4 and (natural with language) with query              | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/10/09<br>16:18 |
| L6    | 27    | 5 and (subsequent second) with menu                   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/10/09<br>16:18 |
| L7    | 384   | menu with (categor\$3<br>classif\$6) same quer<br>\$3 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/10/09<br>18:26 |
| L8    | 9     | 7 and (natural with language) with query              | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/10/09<br>18:27 |
| L9    | 1     | ("4,829,423").PN.                                     | USPAT; USOCR   | OR                  | OFF     | 2008/10/09<br>18:31 |
| L10   | 15105 | (707/1-5,10,100).<br>CCLS.                            | USPAT; USOCR   | OR                  | OFF     | 2008/10/09<br>18:41 |
| L11   | 152   | 10 and (cascade series constellation) with menu       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/10/09<br>18:41 |
| L12   | 52    | 11 and (navigat\$3 same menu)                         | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/10/09<br>18:42 |

| L13 | 4   | 12 and menu same<br>(natural with<br>language)                                     | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/09<br>18:42 |
|-----|-----|--|--|----|----|---------------------|
| L14 | 48  | 12 not 13  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/09<br>19:02 |
| L15 | 3   | 14 and (natural with quer\$3)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/09<br>19:02 |
| L16 | 138 | (hierarch\$4 navigat\$3)<br>with (menu quer\$3)<br>same (natural with<br>language) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/09<br>19:04 |
| L17 | 27  | 16 and (hierarch\$4 navigat\$3) with (query with interface)                        | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/09<br>19:05 |
| L18 | 111 | 16 not 17  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/09<br>19:11 |
| L19 | 73  | 18 and (classif\$6<br>categor\$3)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/09<br>19:11 |
| L20 | 15  | 18 and (classif\$6<br>categor\$3) same<br>menu                                     | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/09<br>19:12 |
| L21 | 461 | (hierarch\$4 navigat\$3)<br>with (natural with<br>language)                        | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/09<br>19:26 |
| L22 | 306 | 21 and (classif\$6<br>categor\$3)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/09<br>19:27 |

| L23        | 79     | 22 and quer\$3 with interface   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/09<br>19:27 |
|------------|--------|---|--|----|----|---------------------|
| L24        | 28     | 23 and (navigat\$3<br>with quer\$3)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/09<br>19:27 |
| L25        | 2      | "natural language<br>query" with menu<br>same (hierarch\$4<br>cascade series)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/09<br>19:37 |
| L26        | 21     | "natural language<br>query" with (hierarch<br>\$4 cascade series)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/09<br>19:38 |
| L27        | 0      | "natural language<br>query" with (hierarch<br>\$4 cascade series)<br>same categor\$3                                    | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/09<br>19:38 |
| L28        | 0      | "natural language<br>query" with (hierarch<br>\$4 cascade series)<br>same classif\$6                                    | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/09<br>19:38 |
| L30        | 4      | "natural language<br>query" same menu<br>same (hierarch\$4<br>cascade series)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/09<br>19:41 |
| S1         | 893513 | word\$1 or phrase\$1  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON | 2004/06/09<br>16:40 |
| <b>S</b> 2 | 2833   | (word\$1 or phrase\$1)<br>and (menu with (word<br>\$1 or phrase\$1))  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON | 2004/06/09<br>16:49 |
| S3         | 1634   | ((word\$1 or phrase\$1)<br>and (menu with (word<br>\$1 or phrase\$1))) and<br>(menu and (sub\$menu<br>or subsequent\$)) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON | 2004/06/10<br>18:10 |

| S4         | 534 | ((word\$1 or phrase\$1)<br>and (menu with (word<br>\$1 or phrase\$1))) and<br>(menu and (sub\$menu<br>or (subsequent\$ with<br>menu\$1)))  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/06/09<br>17:10 |
|------------|-----|--|---|----|----|---------------------|
| S5         | 532 | (((word\$1 or phrase<br>\$1) and (menu with<br>(word\$1 or phrase<br>\$1))) and (menu and<br>(sub\$menu or<br>(subsequent\$ with<br>menu\$1)))) and select<br>\$4  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/06/09<br>17:18 |
| <b>S</b> 6 | 376 | (((((word\$1 or phrase<br>\$1) and (menu with<br>(word\$1 or phrase<br>\$1))) and (menu and<br>(sub\$menu or<br>(sub\$equent\$ with<br>menu\$1)))) and select<br>\$4) and (select\$3 with<br>(word\$1 or phrase\$1))   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/06/09<br>17:18 |
| <b>S</b> 7 | 243 | ((((((word\$1 or phrase<br>\$1) and (menu with<br>(word\$1 or phrase<br>\$1))) and (menu and<br>(sub\$menu or<br>(subsequent\$ with<br>menu\$1)))) and select<br>\$4) and (select\$3 with<br>(word\$1 or phrase<br>\$1))) and ((first and<br>second) with select\$3)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/06/10<br>18:16 |
| <b>S</b> 8 | 47  | (((((((word\$1 or phrase \$1) and (menu with (word\$1 or phrase \$1))) and (menu and (sub\$menu or (subsequent\$ with menu\$1)))) and select \$4) and (select\$3 with (word\$1 or phrase \$1))) and ((first and second) with select \$3)) and ((generat\$3 or obtain\$3 or creat \$3) with (menu or sub \$menu or (subsequent with menu)) same (word\$1 or phrase\$1)) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/06/10          |

| <b>S</b> 9 | 579   | (menu with (word\$1<br>or phrase\$1)) and (sub<br>\$menu or ((subsequent<br>\$2 or secondary) with<br>menu))  | •   | OR | ON | 2004/06/11<br>09:41 |
|------------|-------|---|---|----|----|---------------------|
| S10        | 12750 | menu\$1 with interface  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/06/10<br>18:12 |
| S11        | 314   | ((menu with (word\$1<br>or phrase\$1)) and (sub<br>\$menu or ((subsequent<br>\$2 or secondary) with<br>menu))) and (menu\$1<br>with interface)  |   | OR | ON | 2004/06/10<br>18:13 |
| S12        | 126   | (((menu with (word\$1 or phrase\$1)) and (sub \$menu or ((subsequent \$2 or secondary) with menu))) and (menu\$1 with interface)) and ((generat\$3 or formulat\$3) with (quer \$3 or sentence\$1 or question or phrase\$1))   |   | OR | ON | 2004/06/10<br>19:17 |
| S13        | 110   | (((menu with (word\$1 or phrase\$1)) and (sub \$menu or ((subsequent \$2 or secondary) with menu))) and (menu\$1 with interface)) and ((generat\$3 or formulat\$3) with (quer \$3 or sentence\$1 or question or phrase\$1) same (menu\$1 or sub \$menu or (subsequent \$2 or secondary) with menu)) |   | OR | ON | 2004/06/10<br>19:18 |
| S14        | 3     | ((((menu with (word \$1 or phrase\$1)) and (sub\$menu or ((subsequent\$2 or secondary) with menu))) and (menu\$1 with interface)) and ((generat\$3 or formulat\$3) with (quer \$3 or sentence\$1 or question or phrase\$1) same (menu\$1 or sub \$menu or (subsequent \$2 or secondary) with        | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/06/10<br>18:21 |

|     |     | menu))) and ((select<br>\$3 with (word\$1 or<br>phrase\$1)) and ((first<br>and second) with<br>select\$3) same menu<br>\$1)   |   |    |    |                     |
|-----|-----|---|---|----|----|---------------------|
| S15 | 107 | \$1 or phrase\$1)) and (sub\$menu or ((subsequent\$2 or secondary) with menu))) and (menu\$1 with interface)) and ((generat\$3 or formulat\$3) with (quer \$3 or sentence\$1 or question or phrase\$1) same (menu\$1 or sub \$menu or (subsequent \$2 or secondary) with menu))) not ((((menu with (word\$1 or phrase\$1)) and (sub\$menu or ((subsequent\$2 or secondary) with menu))) and (menu\$1 with interface)) and ((generat\$3 or formulat\$3) with (quer \$3 or sentence\$1 or question or phrase\$1) same (menu\$1 or sub \$menu or (subsequent\$2 or secondary) with menu))) and ((select \$3 with (word\$1 or phrase\$1)) and ((first and second) with select\$3) same menu \$1)) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/06/10<br>18:21 |
| S16 | 5   | ,   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/06/10<br>18:30 |

|     |     | with (word\$1 or phrase \$1)) and (sub\$menu or ((subsequent\$2 or secondary) with menu))) and (menu\$1 with interface)) and ((generat\$3 or formulat\$3) with (quer \$3 or sentence\$1 or question or phrase\$1) same (menu\$1 or sub \$menu or (subsequent \$2 or secondary) with menu))) and ((select \$3 with (word\$1 or phrase\$1)) and ((first and second) with select\$3) same menu \$1))) and ((generat\$3 or obtain\$3 or creat \$3) with (menu or sub \$menu or (subsequent with menu)) same (word\$1 or phrase\$1))  |   |    |    |            |
|-----|-----|--|---|----|----|------------|
| S17 | 107 | (((((menu with (word \$1 or phrase\$1)) and (sub\$menu or ((subsequent\$2 or secondary) with menu))) and (menu\$1 with interface)) and ((generat\$3 or formulat\$3) with (quer \$3 or sentence\$1 or question or phrase\$1) same (menu\$1 or sub \$menu or (subsequent \$2 or secondary) with menu))) not ((((menu with (word\$1 or phrase \$1))) and (sub\$menu or ((subsequent\$2 or secondary) with menu))) and (menu\$1 with interface)) and ((generat\$3 or formulat\$3) with (quer \$3 or sentence\$1 or question or phrase\$1) same (menu\$1 or sub \$menu or (subsequent \$2 or secondary) with menu))) and ((select \$3 with (word\$1 or phrase\$1)) and ((first and second) with | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/06/10 |

|       | select\$3) same menu<br>\$1))) and ((generat\$3<br>or obtain\$3 or creat<br>\$3) with (menu or sub<br>\$menu or (subsequent<br>with menu)))   |   |    |    |                  |
|-------|---|---|----|----|------------------|
| S18 3 | ((((menu with (word \$1 or phrase\$1)) and (sub\$menu or ((subsequent\$2 or secondary) with menu))) and (menu\$1 with interface)) and ((generat\$3 or formulat\$3) with (quer \$3 or sentence\$1 or question or phrase\$1) same (menu\$1 or sub \$menu or (subsequent \$2 or secondary) with menu))) not (((((menu with (word \$1 or phrase\$1)) and (sub\$menu or ((subsequent\$2 or secondary) with menu))) and (menu\$1 with interface)) and ((generat\$3 or formulat\$3) with (quer \$3 or sentence\$1 or question or phrase\$1) same (menu\$1 or sub \$menu or (subsequent \$2 or secondary) with menu))) not ((((menu with (word\$1 or phrase\$1)) and (sub\$menu or ((subsequent\$2 or secondary) with menu))) and (menu\$1 with interface)) and ((generat\$3 or formulat\$3) with (quer \$3 or sentence\$1 or question or phrase\$1)) and (menu\$1 with interface)) and ((generat\$3 or formulat\$3) with (quer \$3 or sentence\$1 or question or phrase\$1) same (menu\$1 or sub \$menu or (subsequent\$2 or secondary) with menu))) and ((select \$3 with (word\$1 or phrase\$1)) and ((first and second) with select\$3) same menu \$1))) and ((generat\$3 or obtain\$3 or creat | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/06/10 18:42 |

|      |       | \$3) with (menu or sub<br>\$menu or (subsequent<br>with menu))))   |   |    |    |                     |
|------|-------|--|---|----|----|---------------------|
| S19  | 16    | ((((menu with (word \$1 or phrase\$1)) and (sub\$menu or ((subsequent\$2 or secondary) with menu))) and (menu\$1 with interface)) and ((generat\$3 or formulat\$3) with (quer \$3 or sentence\$1 or question or phrase \$1))) not (((menu with (word\$1 or phrase \$1))) and (sub\$menu or ((subsequent\$2 or secondary) with menu))) and (menu\$1 with interface)) and ((generat\$3 or formulat\$3) with (quer \$3 or sentence\$1 or question or phrase\$1) same (menu\$1 or sub \$menu or (subsequent \$2 or secondary) with menu))) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/06/10<br>19:17 |
| S20  | 27537 | (generat\$3 or formulat<br>\$3) with (quer\$3 or<br>sentence\$1 or<br>question or phrase\$1)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/06/10<br>19:18 |
| \$21 | 53    | ((generat\$3 or<br>formulat\$3) with (quer<br>\$3 or sentence\$1 or<br>question or phrase\$1))<br>and (quer\$3 adj<br>menu)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/06/10<br>19:18 |
| \$22 | 5     | \$3 or sentence\$1 or  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/06/10<br>20:15 |
| \$23 | 1299  | hierarch\$5 adj2 menu  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/06/10<br>20:16 |

| \$24        | 442  | (menu\$1 with interface) and (hierarch\$5 adj2 menu)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/06/10<br>20:16 |
|-------------|------|---|---|----|----|---------------------|
| <b>S</b> 25 | 48   | (((menu with (word\$1 or phrase\$1)) and (sub \$menu or ((subsequent \$2 or secondary) with menu))) and (menu\$1 with interface)) and (hierarch\$5 adj2 menu) |   | OR | ON | 2004/06/10<br>21:15 |
| \$26        | 1933 | "knowledge base" and quer\$3  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/06/10<br>21:16 |
| \$27        | 39   | ("knowledge base"<br>and quer\$3) same<br>menu\$1   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/06/10<br>21:16 |
| \$28        | 0    | ((menu with (word\$1 or phrase\$1)) and (sub \$menu or ((subsequent \$2 or secondary) with menu))) and (("knowledge base" and quer\$3) same menu\$1)          | •   | OR | ON | 2004/06/10<br>21:16 |
| \$29        | 3    | or phrase\$1)) and (sub<br>\$menu or ((subsequent<br>\$2 or secondary) with   |   | OR | ON | 2004/06/10<br>21:18 |
| S30         | 7    | ((menu with (word\$1 or phrase\$1)) and (sub \$menu or ((subsequent \$2 or secondary) with menu))) and ("knowledge base" and quer\$3)                         | •   | OR | ON | 2004/06/10<br>21:21 |
| <b>S31</b>  | 4    | (((menu with (word\$1 or phrase\$1)) and (sub \$menu or ((subsequent \$2 or secondary) with menu))) and (menu\$1 with interface)) and "knowledge base"        | •   | OR | ON | 2004/06/10<br>21:22 |

| S32         | 9    | "knowledge base " and (menu with (word \$1 or phrase\$1)) and (sub\$menu or ((subsequent\$2 or secondary) with menu))   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2004/06/11<br>09:40 |
|-------------|------|---|---|----|-----|---------------------|
| S33         | 1205 | (retriev\$3 or access<br>\$3) with "knowledge<br>base "   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2004/06/11<br>09:41 |
| S34         | 43   | ((retriev\$3 or access<br>\$3) with "knowledge<br>base ") and (natural<br>with language with<br>quer\$3)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2004/06/11<br>09:41 |
| S35         | 579  | (menu with (word\$1<br>or phrase\$1)) and (sub<br>\$menu or ((subsequent<br>\$2 or secondary) with<br>menu))  | •   | OR | ON  | 2004/06/11<br>09:42 |
| S36         | 0    | (((retriev\$3 or access<br>\$3) with "knowledge<br>base ") and (natural<br>with language with<br>quer\$3)) and ((menu<br>with (word\$1 or phrase<br>\$1)) and (sub\$menu<br>or ((subsequent\$2 or<br>secondary) with<br>menu))) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2004/06/11<br>09:42 |
| <b>S</b> 37 | 19   | (((retriev\$3 or access<br>\$3) with "knowledge<br>base ") and (natural<br>with language with<br>quer\$3)) and menu   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2004/06/11<br>09:42 |
| S38         | 1    | "4688195".PN.   | USPAT   | OR | OFF | 2004/06/11<br>11:32 |
| S39         | 755  | menu with (words or phrases)  | USPAT   | OR | OFF | 2005/04/29<br>16:00 |
| S40         | 3    | S39 and (receiv\$3<br>with user with profile)   | USPAT   | OR | OFF | 2005/04/29<br>16:03 |
| S41         | 1251 | formulat\$3 with quer<br>\$3  | USPAT   | OR | OFF | 2005/09/16<br>11:59 |
| S42         | 13   | S41 same "user<br>profile"  | USPAT   | OR | OFF | 2005/04/29<br>16:09 |
| S43         | 12   | S42 and (word\$1 or phrase\$1)  | USPAT   | OR | OFF | 2005/04/29<br>16:16 |
| S44         | 12   | S43 and "user profile"  | USPAT   | OR | OFF | 2005/04/29<br>18:01 |

| S45 | 126  | formulat\$4 with quer<br>\$3 same menu       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/16<br>10:45 |
|-----|------|--|--|----|-----|---------------------|
| S46 | 101  | S45 and (web or internet)                    | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/16<br>10:45 |
| S47 | 32   | S46 and (menu same<br>(word or phrase))      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/16<br>11:23 |
| S48 | 9    | S47 and (user with profile)                  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/16<br>11:23 |
| S49 | 46   | S45 and (menu same<br>(word or phrase))      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/16<br>11:23 |
| S50 | 9    | S49 and (user with profile)                  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/16<br>11:38 |
| S51 | 28   | S45 and (user with profile)                  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/16<br>11:38 |
| S52 | 28   | S51 and menu                                 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/16<br>11:40 |
| S53 | 2    | S52 and (knowledge with base)                | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/16<br>11:39 |
| S54 | 6268 | (formulat\$3 or generat<br>\$3) with quer\$3 | USPAT  | OR | OFF | 2005/09/16<br>12:44 |
| S55 | 63   | S54 same "user<br>profile"                   | USPAT  | OR | OFF | 2005/09/16<br>12:44 |
| S56 | 5    | S55 and (access with knowledge)              | USPAT  | OR | OFF | 2005/09/16<br>12:49 |

| S57 | 23   | S55 and menu  | USPAT | OR | OFF | 2005/09/16<br>14:43 |
|-----|------|---|-------|----|-----|---------------------|
| S58 | 388  | (quer\$4 or search\$3)<br>with "user profile"                                     | USPAT | OR | OFF | 2005/09/16<br>14:43 |
| S59 | 137  | S58 and (receiv\$3 with "user profile")   | USPAT | OR | OFF | 2005/09/16<br>14:44 |
| S60 | 13   | S59 and (menu with list)  | USPAT | OR | OFF | 2005/09/16<br>14:52 |
| S61 | 34   | S59 and (menu with select\$3)   | USPAT | OR | OFF | 2005/09/16<br>14:52 |
| S62 | 22   | S61 not S60   | USPAT | OR | OFF | 2005/09/16<br>15:27 |
| S63 | 221  | "user profile" same<br>menu   | USPAT | OR | OFF | 2005/09/16<br>15:27 |
| S64 | 9    | S63 and ((obtain or select) with (word or phrase))                                | USPAT | OR | OFF | 2005/09/16<br>15:31 |
| S65 | 32   | "user profile" and ((obtain or select) with (word or phrase) same menu)           | USPAT | OR | OFF | 2005/09/16<br>15:31 |
| S66 | 0    | "user profile" same<br>((obtain or select)<br>with (word or phrase)<br>same menu) | USPAT | OR | OFF | 2005/09/16<br>15:44 |
| S67 | 289  | ((obtain or select)<br>with (word or phrase)<br>same menu)                        | USPAT | OR | OFF | 2005/09/16<br>15:44 |
| S68 | 2    | S67 and ((obtain or<br>select) with (word or<br>phrase) same "user<br>profile")   | USPAT | OR | OFF | 2005/09/16<br>15:48 |
| S69 | 1022 | menu with (word or phrase)  | USPAT | OR | OFF | 2005/09/16<br>15:54 |
| S70 | 206  | S67 and S69   | USPAT | OR | OFF | 2005/09/16<br>15:48 |
| S71 | 16   | S70 and "user profile"  | USPAT | OR | OFF | 2005/09/16<br>15:53 |
| S72 | 0    | menu with base with<br>"user profile"   | USPAT | OR | OFF | 2005/09/16<br>15:53 |
| S73 | 54   | S69 and "user profile"  | USPAT | OR | OFF | 2005/09/16<br>15:54 |
| S74 | 32   | S67 and "user profile"  | USPAT | OR | OFF | 2005/09/16<br>15:54 |
| S75 | 16   | S74 not S71   | USPAT | OR | OFF | 2005/09/16<br>15:55 |
| S76 | 28   | menu with list with profile   | USPAT | OR | OFF | 2005/09/16<br>15:55 |

| S77         | 5   | menu with list with<br>"user profile"                                      | USPAT  | OR | OFF | 2005/09/16<br>15:59 |
|-------------|-----|--|--|----|-----|---------------------|
| S78         | 100 | menu with "user<br>profile"  | USPAT  | OR | OFF | 2005/09/16<br>16:00 |
| S79         | 55  | S78 and ((obtain or select) with menu)                                     | USPAT  | OR | OFF | 2005/09/16<br>16:07 |
| S80         | 1   | S78 and ((obtain or select) with second with menu)                         | USPAT  | OR | OFF | 2005/09/16<br>16:05 |
| S81         | 0   | S79 and ((quer\$3 or<br>search\$3) with<br>knowledge with base)            | USPAT  | OR | OFF | 2005/09/16<br>16:06 |
| S82         | 46  | S79 and (quer\$3 or search\$3)   | USPAT  | OR | OFF | 2005/09/16<br>16:06 |
| S83         | 7   | S69 and S79  | USPAT  | OR | OFF | 2005/09/16<br>16:21 |
| S84         | 9   | wireless with menu<br>same search\$3                                       | USPAT  | OR | OFF | 2005/09/16<br>16:29 |
| S85         | 26  | (menu with (search or<br>quer\$3 or navigat\$3)<br>with user with profile) | USPAT  | OR | OFF | 2007/02/15<br>15:19 |
| S87         | 626 | menu with option<br>same (user with<br>profile)                            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/02/14<br>16:15 |
| S88         | 236 | menu with option with<br>(user with profile)                               | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/02/14<br>16:27 |
| <b>S</b> 89 | 33  | (menu and sub\$menu)<br>with (user with profile)                           | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/02/14<br>16:27 |
| S90         | 236 | menu with option with<br>(user with profile)                               | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/02/14<br>16:27 |
| S91         | 111 | S90 and (menu with (word phrase))  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/02/14<br>16:27 |
| S92         | 100 | (menu with (search or<br>quer\$3 or navigat\$3)<br>with user with profile) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>IBM_TDB             | OR | OFF | 2007/02/15<br>15:30 |

| S93  | 13  | S92 and (list with (word phrase))                                   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>IBM_TDB             | OR | OFF | 2007/02/15<br>15:24 |
|------|-----|---|--|----|-----|---------------------|
| S94  | 784 | query same (list with (word phrase))                                | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>IBM_TDB             | OR | OFF | 2007/02/15<br>15:24 |
| S95  | 93  | S94 and "user profile"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>IBM_TDB             | OR | OFF | 2007/02/15<br>15:24 |
| S96  | 2   | S95 and (menu with (word phrase))                                   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>IBM_TDB             | OR | OFF | 2007/02/15<br>15:25 |
| S97  | 52  | S95 and ((search or quer\$3 or navigat\$3) with user with profile)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>IBM_TDB             | OR | OFF | 2007/02/15<br>15:34 |
| S98  | 2   | S97 and (user with (select brows\$3 navigat\$3) with (word phrase)) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>IBM_TDB             | OR | OFF | 2007/02/15<br>15:32 |
| S99  | 50  | S97 not S98   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>IBM_TDB             | OR | OFF | 2007/02/15<br>15:34 |
| S101 | 26  | access same menu  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/02/16<br>16:29 |
| S103 | 72  | model same (meta<br>\$data with library)                            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/06/14<br>20:06 |
| S104 | 10  | S103 and "audit trail"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/06/14<br>19:41 |
| S105 | 9   | S103 and network with element                                       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/06/14<br>19:41 |

| S106 | 5  | S105 and monitor                                 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/14<br>19:48 |
|------|----|--|--|----|----|---------------------|
| S107 | 24 | weight\$3 same<br>"transformation<br>model"      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/14<br>20:10 |
| S108 | 14 | S107 and performance                             | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/14<br>19:50 |
| S109 | 2  | S107 and performance with prediction             | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/14<br>19:50 |
| S110 | 1  | S103 and S108                                    | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/14<br>19:50 |
| S111 | 1  | S103 and S107                                    | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/14<br>19:50 |
| S112 | 0  | weigh9 and prediction                            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/14<br>19:56 |
| S113 | 6  | S107 and prediction                              | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/14<br>19:56 |
| S114 | 0  | S103 and weight and<br>"transformation<br>model" | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/14<br>19:57 |
| S115 | 26 | S103 and weight and transformation               | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/14<br>19:57 |

| S116 | 20   | S103 and weight and prediction              | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/14<br>20:08 |
|------|------|---|--|----|----|---------------------|
| S117 | 20   | S116 and network                            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/14<br>20:06 |
| S118 | 56   | weight with<br>transformation with<br>model | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/14<br>20:09 |
| S119 | 0    | S118 and meta\$data<br>with library         | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/14<br>20:09 |
| S120 | 128  | weight same<br>transformation with<br>model | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/14<br>20:09 |
| S121 | 0    | S120 and meta\$data<br>with library         | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/14<br>20:09 |
| S122 | 7    | weight\$3 with<br>"transformation<br>model" | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/15<br>11:45 |
| S123 | 7    | weight\$3 with<br>"transformation<br>model" | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/15<br>11:46 |
| S124 | 5    | S123 and network                            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/15<br>11:47 |
| S125 | 8073 | network with library                        | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/15<br>11:47 |

| S126 | 0   | S125 and weight same<br>"transformation<br>models"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/15<br>11:51 |
|------|-----|---|--|----|----|---------------------|
| S127 | 0   | S125 and weight and<br>"transformation<br>models"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/15<br>11:48 |
| S128 | 8   | S125 and<br>"transformation<br>models"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/15<br>12:08 |
| S129 | 125 | compar\$3 with weight same prediction   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/15<br>12:08 |
| S130 | 8   | S129 and<br>(performance with<br>prediction)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/15<br>12:09 |
| S131 | 667 | ((((word\$1 or phrase<br>\$1) and (menu with<br>(word\$1 or phrase<br>\$1))) and (menu and<br>(sub\$menu or<br>(sub\$equent\$ with<br>menu\$1)))) and select<br>\$4) and (select\$3 with<br>(word\$1 or phrase\$1)) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON | 2008/05/26<br>22:28 |
| S132 | 0   | S131 and menu with concept with query   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/26<br>22:42 |
| S133 | 1   | S131 and menu with concept same query   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/26<br>22:43 |
| S134 | 23  | S131 and menu with concept  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/26<br>22:45 |

| S135 | 17    | S134 and query  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/05/26<br>22:45 |
|------|-------|---|--|----|-----|---------------------|
| S136 | 6     | ((word\$1 or phrase\$1)<br>and (menu with (word<br>\$1 or phrase\$1))) and<br>menu with concept<br>same query | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2008/05/26<br>23:17 |
| S137 | 777   | menu same (construct<br>\$3 or generat\$3) with<br>query  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2008/05/26<br>23:25 |
| S138 | 198   | ((word\$1 or phrase\$1)<br>and (menu with (word<br>\$1 or phrase\$1))) and<br>S137                            | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2008/05/26<br>23:25 |
| S139 | 2     | S138 and menu same quer\$3 same concept   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2008/05/26<br>23:26 |
| S140 | 198   | ((word\$1 or phrase\$1)<br>same (menu with<br>(word\$1 or phrase<br>\$1))) and S137                           | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2008/05/26<br>23:29 |
| S141 | 198   | (menu with (word\$1<br>or phrase\$1)) and<br>S137   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2008/05/26<br>23:29 |
| S142 | 8     | S141 and quer\$3 with concept   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2008/05/26<br>23:30 |
| S143 | 1     | ("4,688,196").PN.   | USPAT; USOCR   | OR | OFF | 2008/05/26<br>23:33 |
| S144 | 17    | S141 and quer\$3 with<br>"natural language"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2008/05/26<br>23:34 |
| S145 | 39595 | "computer readable medium".clm.   | USPAT  | OR | ON  | 2008/10/08<br>18:01 |
| S146 | 30132 | ("707").CLAS.   | USPAT; USOCR   | OR | OFF | 2008/10/08<br>18:01 |

| S148 | 6235 | S145 and S146                          | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/08<br>18:02 |
|------|------|--|--|----|----|---------------------|
| S150 | 59   | menu with natural<br>same query        | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/08<br>19:34 |
| S151 | 11   | S150 and (subsequent second) with menu | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/08<br>19:35 |

10/9/2008 7:43:23 PM

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